

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method of identifying devices using an Internet Protocol version 6 (IPv6) address, the method comprising:

providing an interface ID area comprising a company ID area, a device ID area and a serial number area using an extended unique identifier (EUI-64) ID format; and

identifying the devices using device ID information for identifying types of the devices recorded in ~~an~~ the device ID area, and unique number assigned to the devices recorded in the serial number area,

wherein the device ID area is located between the company ID area and the serial number area ~~excluding a company ID area and a serial number area of an interface ID area, using an extended unique identifier (EUI-64) ID format.~~

Claims 2 and 3 are canceled.

4. (currently amended): A computer readable recording medium ~~on which a data structure is formed according to an Internet Protocol version 6 (IPv6) address~~ having recorded thereon computer enabling code for executing a method for identifying devices is recorded, using an Internet Protocol version (IPv6) address, the method comprising:

providing an interface ID area comprising a company ID area, a device ID area and a serial number area using an extended unique identifier (EUI-64) ID format; and

RESPONSE TO NOTICE OF NON-COMPLIANT AMENDMENT

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identifying the devices using device ID information for identifying types of the devices recorded in the device ID area, and unique number assigned to the devices recorded in the serial number area,

wherein the device ID area is located between the company ID area and the serial number area~~wherein the data structure includes a network ID area for identifying networks to which the devices are connected and an interface ID area for identifying addresses of the devices on the networks, where the interface ID area includes a company ID area for identifying manufacturers of the devices, a serial number area for identifying unique numbers assigned to the devices, and a device ID area for identifying types of the devices, said device ID area being placed between the company ID area and the serial number area.~~

5. (previously presented): The computer readable recording medium of claim 4, wherein the device ID area is placed in the an upper 4 bits and 5 bits of the interface ID area.